

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P730886

Luminaire Tested: **HBLED-LD5-30SE-N-CLI-UNV-L735**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730886
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23769)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-30SE-N-CLI-UNV-L735
Description: 30000 LUMEN, SE HBLED WITH NARROW DISTRIBUTION AND CLEAR ACRYLIC LENS INSERT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28406.0 lumens
Efficiency: N/A
Efficacy: 149.5 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 0.64 / 0.78
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

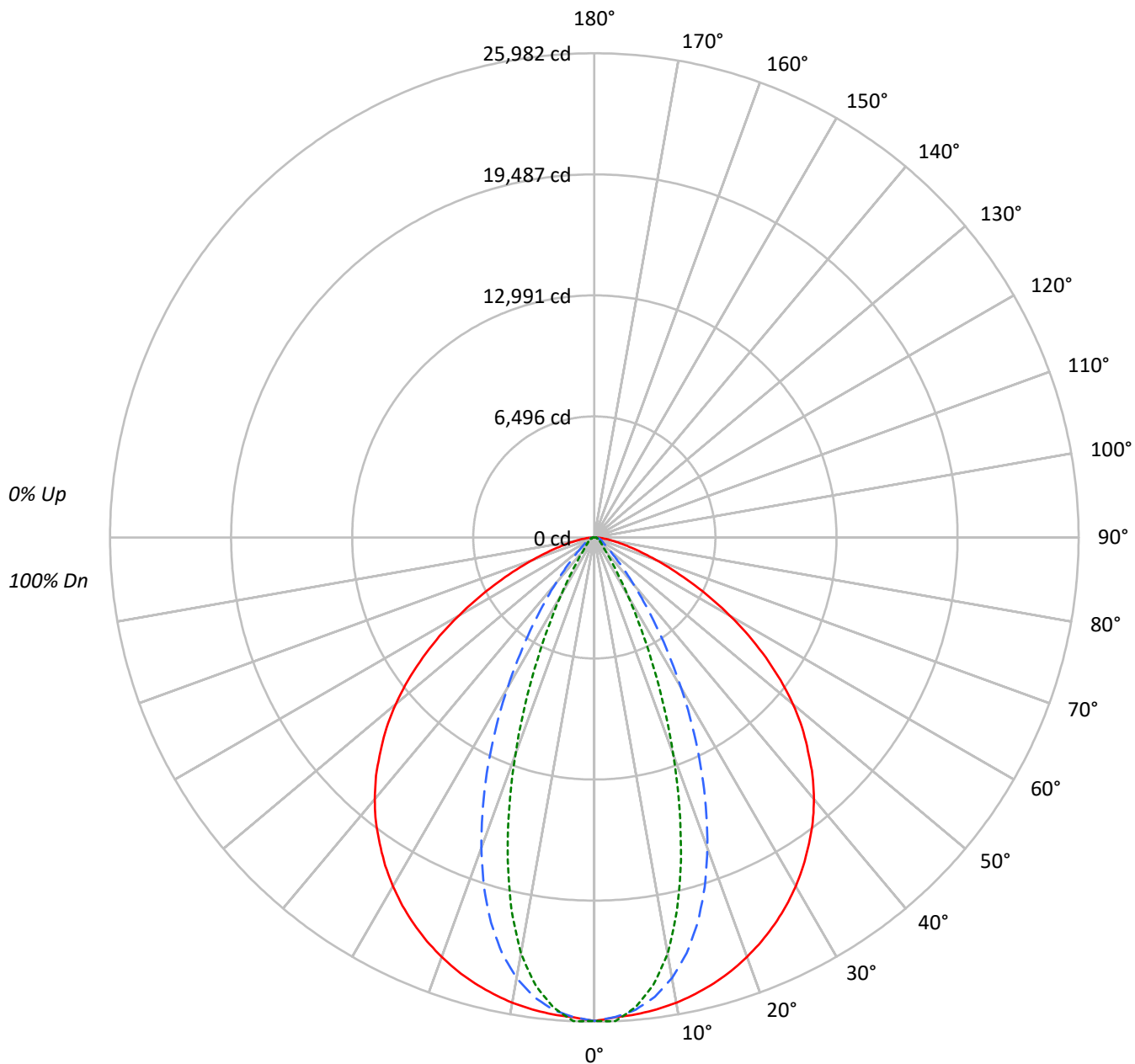
Input Watts (W): 190
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	112	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	90		
2	105	98	93	89	102	97	92	88	93	89	86	90	87	84	87	85	82	81		
3	98	90	84	79	96	88	83	78	86	81	77	83	79	75	81	77	74	72		
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	65		
5	86	76	69	63	84	75	68	63	73	67	62	71	66	62	69	65	61	60		
6	81	70	63	58	79	69	62	57	68	62	57	66	61	57	65	60	56	55		
7	76	65	58	53	75	64	58	53	63	57	52	62	56	52	60	56	52	50		
8	72	61	54	49	70	60	53	49	59	53	48	58	52	48	57	52	48	46		
9	68	57	50	45	67	56	50	45	55	49	45	54	49	45	53	48	45	43		
10	64	53	47	42	63	53	46	42	52	46	42	51	46	42	50	45	42	40		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	41893	41893	41893
5°	41641	41227	41010
10°	41572	39360	37142
15°	41404	35778	29996
20°	41156	30444	21260
25°	40788	24006	12845
30°	40292	17326	6602
35°	39565	11327	3297
40°	38627	6804	1924
45°	37022	4063	1439
50°	34918	2657	1208
55°	31603	2016	1054
60°	27158	1717	962
65°	21845	1566	909
70°	16457	1678	903
75°	12105	1595	929
80°	8856	1588	1017
85°	6634	1925	1315



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2389.6	8.4
10°-20°	5944.7	20.9
20°-30°	6584.7	23.2
30°-40°	5275.5	18.6
40°-50°	3766.0	13.3
50°-60°	2419.0	8.5
60°-70°	1310.9	4.6
70°-80°	560.3	2.0
80°-90°	155.4	0.5
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	14918.9	52.5
0°-40°	20194.4	71.1
0°-60°	26379.4	92.9
0°-90°	28406.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	28406.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	25947	25947	25947	25947	25947	
5°	25693	25788	25437	25356	25303	###
15°	24770	23995	21404	18916	17945	6989
25°	22895	20188	13475	8779	7210	10547
35°	20073	14519	5747	2318	1673	12551
45°	16214	8382	1779	757	630	12497
55°	11227	3747	716	440	374	10005
65°	5718	1539	410	283	238	5726
75°	1940	563	256	178	149	2156
85°	358	149	104	86	71	437
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	25946.8	25946.8	25946.8	25946.8	25946.8
2.5°	25776.0	25937.3	25763.6	25871.6	25982.3
5°	25692.6	25788.4	25437.0	25356.4	25303.2
7.5°	25547.7	25520.4	24860.4	24432.6	24226.2
10°	25356.4	25135.0	24007.5	23067.4	22654.6
12.5°	25083.1	24626.7	22852.7	21201.9	20502.2
15°	24770.1	23995.3	21404.1	18915.6	17945.2
17.5°	24395.7	23257.3	19672.6	16463.8	15183.3
20°	23952.9	22366.3	17718.4	13859.0	12373.4
22.5°	23458.2	21338.6	15626.0	11262.3	9669.0
25°	22895.1	20187.8	13475.0	8779.3	7210.3
27.5°	22287.1	18910.1	11336.2	6559.8	5128.9
30°	21611.8	17527.0	9293.0	4730.0	3541.0
32.5°	20875.2	16056.6	7394.9	3326.3	2421.7
35°	20073.1	14519.1	5746.6	2317.8	1672.7
37.5°	19251.7	12950.2	4340.4	1638.5	1199.9
40°	18326.5	11386.7	3228.0	1199.9	912.8
42.5°	17333.0	9853.4	2388.9	923.8	739.3
45°	16213.7	8381.5	1779.4	757.2	630.1
47.5°	15128.6	7009.5	1351.6	645.0	548.0
50°	13901.4	5771.3	1057.7	563.1	481.0
52.5°	12599.0	4682.1	858.2	496.1	423.6
55°	11226.8	3747.3	716.0	440.0	374.5
57.5°	9837.0	2968.3	612.3	392.2	333.5
60°	8410.2	2373.8	531.6	351.2	297.9
62.5°	7017.7	1898.3	464.6	315.7	266.5
65°	5718.0	1538.8	410.0	282.9	237.8
67.5°	4516.6	1216.3	382.7	254.2	214.6
70°	3486.2	947.1	355.4	226.8	191.3
72.5°	2641.6	727.1	314.4	202.3	169.5
75°	1940.5	563.1	255.6	177.7	148.9
77.5°	1388.5	433.3	207.7	154.4	128.5
80°	952.5	322.6	170.8	132.5	109.4
82.5°	619.2	228.3	138.0	109.4	90.1
85°	358.1	148.9	103.9	86.1	71.0
87.5°	154.4	81.9	71.0	64.3	54.6
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)